



## COATING PRODUCTS: Technical Data Sheet

### Water Reducible Alkyd, Medium Chain Stopped

**RESYD 5681 Z 75** is a medium chain stopped, water reducible, alkyd resin. A high quality product that also permits fast dry coatings production. This product is also designed to be used with water reducible melamines in order to obtain chemical resistant full gloss enamels.

- Excellent chemical resistance, mar resistance
- Excellent early humidity and salt spray resistance
- Designed for air, force, spray and bake dry systems
- Applications include all types of appliance and equipment enamels and primers
- Excellent for color and gloss use

#### TYPICAL PHYSICAL PROPERTIES\*:

PERCENT SOLIDS	74 - 76
ACID VALUE	40 – 50 (on solids), 30 – 40 (on solution)
MODIFIERS	Contains wood rosins
OIL TYPE	Oxidizing
COLOR	7 max.
VISCOSITY	Z <sub>4</sub> – Z <sub>6</sub>
SPECIFIC GRAVITY	1.08
SOLVENT	75:25 Butyl Cellosolve / S-Butanol

#### AIR DRY CHARACTERISTICS

DUST FREE	10 – 20 Minutes
TACK FREE	1 – 2 Hours

Air Dry: Cobalt 0.065, Calcium 0.2%, Zirconium 0.10%, Antiskin 0.0 – 0.5%

Bake Process: Manganese 0.6%, Cobalt 0.06%

#### NEUTRALIZATION PROCEDURE

A pH of 7.6 – 8.0 should be used with the reduced resin in order to establish the consistency of neutralization.

Number of parts of organic amine to neutralize 100 parts of resin =  $\frac{\text{RAN} * \text{MW} * \text{NV} * \text{PN}}{56,100}$

**RAN** = Actual acid number of resin on solids      **NV** = Non Volatile content of Resin  
**MW** = Molecular Weight of Amine      **PN** = Percent Neutralization / 100 (ie 50% = 0.5)

**RESYD 5681 Z 75** is available in steel drums or bulk tanker.

Ref.# EP-681-A

BEFORE USE, ALWAYS READ AND FOLLOW THE DIRECTIONS CONTAINED ON THE LABEL, AND MATERIAL SAFETY DATA SHEET.



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MTDS Resyd 5681 Z 75 v2 January 22, 2013



FOUNDRY – COATINGS – STEEL MILL - SULPHONIC ACIDS - PSA  
TOMORROW'S GREEN CHEMISTRY, TODAY



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